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കേരള സർക്കാർ Government of Kerala 2014



Regn. No. KERBIL/2012/45073 dated 5-9-2012 with RNI

Reg. No. KL/TV(N)/634/2012-14

കേരള ഗസററ് KERALA GAZETTE

ആധികാരികമായി പ്രസിദ്ധപ്പെടുത്തുന്നത് PUBLISHED BY AUTHORITY

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PART III

Stores Purchase

Education Department

ദർഘാസ് പരസ്യം

നമ്പർ എച്ച്.എസ്.എസ്./43/2014. 2014 നവംബർ 25.

കൊല്ലം ജില്ലയിൽ സദാനന്ദപുരം ഗവൺമെന്റ് ഹയർ സെക്കൻഡറി സ്കൂളിലെ ഹയർ സെക്കന്ററി വിഭാഗത്തിലേക്ക് 2014-15 സാമ്പത്തിക വർഷത്തിൽ HSE-ധനകാര്യം വാർഷികപദ്ധതി 2014-15 ₹ 1,50,000-ന്റെ ലാബ് ഉപകരണങ്ങൾ വിതരണം ചെയ്യാൻ തയ്യാറുള്ളവരിൽ നിന്നും മുദ്രവച്ച മത്സര സ്വഭാവമുള്ള ദർഘാസുകൾ ക്ഷണിച്ചുകൊള്ളുന്നു. ദർഘാസുകൾ അടക്കം ചെയ്ത കവറിനുമുകളിൽ "ദർഘാസ് നമ്പർ 1/HSE-ധനകാര്യം വാർഷികപദ്ധതി 2014-15 ശീർഷക ത്തിൽ ഹയർ സെക്കന്ററി വിഭാഗത്തിലേക്ക് ലാബ് ഉപകരണങ്ങൾ വിതരണം ചെയ്യുന്നതിനുള്ള ദർഘാസുകൾ" എന്നെഴുതി പ്രിൻസിപ്പാൾ, ഗവ. ഹയർ സെക്കൻഡറി സ്കൂൾ, സദാനന്ദപുരം, സദാനന്ദപുരം പി. ഒ., കൊട്ടാരക്കര, കൊല്ലം ജില്ല പിൻ-691 531 എന്ന വിലാസത്തിൽ അയയ്ക്കേണ്ടതാണ്. ദർഘാസുകൾ സ്വീകരിക്കുന്ന അവസാന തീയതി 23-12-2014-ന് ഉച്ചയ്ക്കുശേഷം 3 മണിവരെ ആകുന്നു. ദർഘാസുകൾ അന്നേ ദിവസം ഉച്ചയ്ക്കുശേഷം 3 മണിക്ക് ഹാജരായിട്ടുള്ള ദർഘാസു കാരുടെ സാന്നിദ്ധ്യത്തിൽ തുറന്ന് പരിശോധിക്കുന്നതാണ്. ദർഘാസ് ഫോറത്തിന്റെ വിൽപ്പന 23-12-2014 ഉച്ചയ്ക്കു 12.30-ന്

അവസാനിക്കുന്നതാണ്. വെകി കിട്ടുന്നതും അപൂർണ്ണവുമായ ടെണ്ടറുകൾ യാതൊരു കാരണവശാലും സ്വീകരിക്കുന്നതല്ല. ദർഘാസ് ഫോറം ലഭിക്കുന്നതിന് മേൽ കാണിച്ച വിലാസത്തിൽ അപേക്ഷിക്കേണ്ടതാണ്. അപേക്ഷയോ ടൊപ്പം ദർഘാസ് ഫോറത്തിന്റെ വിലയായ ₹ 420 (മൂല്യവർദ്ധിത നികുതി ഉൾപ്പെടെ) അടയ്ക്കേണ്ടതാണ്. പ്രസ്തുത സംഖ്യ യാതൊരു കാരണവശാലും മടക്കിതരുന്നതല്ല. ദർഘാസ് ഫോറങ്ങൾ കൈമാറ്റം ചെയ്യാൻ പാടുള്ളതല്ല. ദർഘാസ് ഫോറത്തിന്റെ വിലയായി ചെക്കുകൾ, പോസ്റ്റൽ ഓർഡറുകൾ, പോസ്റ്റൽ സ്റ്റാമ്പുകൾ എന്നിവ സ്വീകരിക്കുന്നതോ ദർഘാസുകൾ വി.പി.പി. ആയി അയച്ചു കൊടുക്കുന്നതോ അല്ല. ദർഘാസ് ഫോറം തപാലിൽ ലഭിക്കുന്നതിന് ദർഘാസ് ഫോറത്തിന്റെ വിലയും തപാൽ ചാർജ്ജും ഉൾപ്പെടെ ₹ 470 മണിയോർഡർ അയച്ചുതരേണ്ടതാണ്. പൂരിപ്പിച്ചതും ഒപ്പിട്ടതുമായ ദർഘാസ് ഫോറത്തിന്റെ കൂടെ ആകെ തുകയുടെ ഒരു ശതമാനം തുകയ്ക്ക് പ്രിൻസിപ്പാളിന്റെ പേരിൽ എസ്. ബി. റ്റി. കൊട്ടാരക്കര മെയിൻ ബ്രാഞ്ചിൽ മാറാവുന്ന തരത്തിൽ ഡിമാന്റ് ഡ്രാഫ്റ്റ് അടക്കം ചെയ്യേണ്ടതാണ്. ഏറ്റവും കുറഞ്ഞ ഇ. എം. ഡി. ₹ 1,500 ആയിരിക്കും. നിരതദ്രവ്യത്തിന് പലിശ ലഭിക്കുന്നതല്ല. ഓരോ ഉപകരണത്തിന്റെയും വില വാറ്റ്, മറ്റ് ചെലവുകൾ

എന്നിവ പ്രത്യേകം കാണിക്കേണ്ടതാണ്. വിതരണ ഉത്ത രവ് കിട്ടി ഒരു മാസത്തിനുള്ളിൽ ഉപകരണങ്ങൾ സ്വന്തം ചെല വിൽ സ്കൂളിൽ എത്തിക്കേണ്ടതാണ്. വിലനിലവാരത്തിന് 31-3 -2015 വരെ പ്രാബല്യം ഉണ്ടായിരിക്കുന്നതാണ്. ഓരോ ടെണ്ടറി ന്റെയും കൂടെ ₹ 100 വിലയുള്ള കേരള മുദ്രപത്രത്തിൽ കരാർ എ ഴ ു ത ി സമർപ്പിക്കേണ്ടതാണ്. നിരതദ്രവ്യം അടയ്ക്കുന്നതിൽ നിന്നും ഒഴിവാക്കിയിട്ടുള്ള സ്ഥാപനങ്ങൾ ഉത്തരവിന്റെ ശരിപകർപ്പ് ദർഘാസിന്റെ കൂടെ അടക്കം ചെയ്യേണ്ടതാണ്. യാതൊരു മുന്നറിയിപ്പും കൂടാതെ ദർഘാസ് നടപടികൾ റദ്ദാക്കുന്നതിനോ നീട്ടി നൽകുന്നതിനോ ഉള്ള അധികാരം താഴെ ഒപ്പിട്ടിട്ടുള്ള ആളിൽ നിക്ഷിപ്തമാണ്. ഓഫീസിലെ പണമിടപാട് സമയം പ്രവൃത്തി ദിവസങ്ങളിൽ രാവിലെ 10 മണിമുതൽ ഉച്ചയ്ക്കുശേഷം 3 മണിവരെയാകുന്നു. കൂടുതൽ വിവരങ്ങൾ ഓഫീസ് പ്രവൃത്തി സമയങ്ങളിൽ നേരിട്ട് അമ്പേഷിച്ചാൽ ലഭിക്കുന്നതാണ്.

No. HSS/43/2014. 25th November 2014.

Sealed competitive tenders are invited for the supply of Lab Equipments specified in the list attached to Sadanandapuram Govt. Higher Secondary School for a total cost of ₹ 1,50,000 (Rupees One Lakh Fifty thousand only) under the scheme HSE-Finance-Annual Plans 2014-15 Lab Equipments supply.

The envelope containing the tender should be superscribed as "Tender No. 1/2014-15 Tender for the supply of Lab Equipments to Higher Secondary Department under the scheme HSE-Finance-Annual Plans 2014-15 Lab Equipments Supply" and addressed to The Principal, Govt. Higher Secondary School, Sadanandapuram, Sadanandapuram P. O., Kottarakkara, Kollam District, Pin-691 531. The last date and time for receipt of filled tender is at 3 p. m. on 23-12-2014. The tenders will be opened at 3 p. m. on the same day in the presence of such tenderers or their authorized representative who may be present at that time. Sale of tender form will be closed on 23-12-2014 at 12.30 p. m. Late tenders will not be accepted at any account.

Intending tenderers may make an application to the Principal to obtain the required tender form, in which tenders should be submitted. The original tender form duly filled and signed only will be accepted. Application for the tender form should be accompanied by a cash remittance of ₹ 420 (including VAT) which is the price fixed for a tender form and which is not transferable. Cheques, Postal Orders and Postal Stamps will not be accepted towards the cost of tender form and the tender form will not be sent by V.P.P. Those who require tender form by registered post should sent the cost of tender form ₹ 470 including postal charges for registered post by Money Order. Every tender should be accompanied by an agreement in Kerala Stamp Paper worth ₹ 100. "The articles should be supplied within one month on receipt of the purchase order to this School at your own expenses".

The period of firmness of rate quoted will be up to 31-3-2015. Rate, VAT and condition of supply of articles should clearly be stated separately in respect of each item.

The tenders should be accompanied by an EMD of 1% (One per cent) of the total cost (Subject to minimum of ₹ 1,500) in the form of Demand Drafts drawn in favour of the Principal, Govt. Higher Secondary School, Sadanandapuram payable at SBT Kottarakkara Main Branch only. Tenders without sufficient EMD are liable to be rejected. EMD will not carry any interest. The firms who are exempted from furnishing EMD should be enclosed the attested copy of exemption orders. More details can be had from the School office during working days. Cash transaction in the office is from 10 a. m. to 3 p. m. on all working days.

The undersigned will have the right to cancel or extend the tender formalities at any time without further notice.

List of Lab Equipment

	List of Lab Equ	ipment
Sl. No.	Name and Quantity	Specification
(1)	(2)	(3)
1	Convex Lens—10 Nos.	50MM dia Focal length 15 cm
2	Convex Lens—10 Nos.	50MM dia Focal length 10 cm
3	Concave Lens—10 Nos.	Focal length 15 cm
4	Concave Mirror—10 Nos.	50mm dia, Focal length 15 cm
5	Concave Mirror—10 Nos.	Focal length 20 cm
6	Hand Lens—5 Nos.	Focal length 20 cm
7	Battery Eliminator—2 AMP—4 Nos.	2-12 Volt
8	Connecting Wire-DCC—3 Nos.	500gm
9	Resistence Box—2 Nos.	0.1 Ohms-10 Ohms Range
10	Tuning Fork set (Big)— 1 No.	Set of 8
11	Ammeter—10 Nos.	0-2 AMP
12	Volt Meter—10 Nos.	0-2 Volt
13	Sono Meter—1 No.	Brass fitting
14	Galvanometer—5 Nos.	30-0-30 Range
15	Stop Clock—10 Nos.	Least count 0.5 sec
16	Resonance Column Apparatus—3 Nos.	PVC
17	Sonometer Weight—2 Set	0.5 Kg × 5
18	Meter Bridge apparatus—2 Nos.	With pencil jockey
19	Glass Prism—10 Nos.	$50 \times 50 \text{ mm}$

20 Lens Stand-10 Nos. Wooden V Type S2 Needle—50 Nos.	(1)	(2)	(3)	(1)	(2)	(3)
22 Vernier Calipers—15 Nos. Cap with eard board Screw guage—15 Nos. Pitch 1 mm size-10mm Screw guage—15 Nos. Pitch 1 mm size-10mm Screw guage—15 Nos. Pitch 1 mm size-10mm Screw guage—16 Nos. Screw guage—17 Nos. Screw guage—18 Nos. Screw guage—18 Nos. Screw guage—19 Nos. Screw g	20	Lens Stand-10 Nos.	Wooden V Type	52	Needle—50 Nos.	
Screw gauge—15 Nos. Pitch 1 mm size-10mm	21	Lens Screen—10 Nos.	White screen	53	_	
Borosil glass No.	22	Vernier Calipers—15 Nos.	cp with eard board		-	
tuning fork—10 Nos. Meter scale—10 Nos. 55 Thistle funnel—3 Nos. 3 inch glass			Pitch 1 mm size-10mm	54		
Section Sect	<i>2</i> 4			55	Thistle funnel—3 Nos.	
Demonstration No. 10 wires 58 Cork two holes 5 Nos.	25	Meter scale—10 Nos.		56	Petridish—20 Nos.	3 inch glass
Potentiometer-1 No. 10 wires 59 Spirit lamp—15 Nos. Glass	26					
Magnetic Compass— 18mm dia 50 Dropper—45 Nos. 4 inch glass	27		10 reimos	58	Cork two holes—5 Nos.	
5 Nos. 29 Pendulam Bob—5 Nos. brass-18 mm 30 Spring Constant Apparatus—5 Nos. 31 Weight Hanger cp— 5 Ogm set 5 Nos. 32 Weight Hanger cp— 5 Ogm set 5 Nos. 33 Glass slab—2 Nos. 75 × 50 × 18 mm 34 Atom Model set—1 No. 120 balls 35 Test Tube Holder— 60 Nos. 50 ml PVC 36 Dial Balance—1 No. 37 Wash bottle—60 Nos. 500 ml PVC 38 Dial Balance—1 No. 39 Burette—30 Nos. 20ml Borosil R 40 Pipette—30 Nos. 20ml Borosil R 41 Test Tube—200 Glass 15 ml 42 Funnel—33 Nos. 3 inch Borosil Glass 71 Cardiac Muscle—2 Nos. 43 Beaker—50 Nos. 500 ml Borosil Glass 72 Smooth Muscle—2 Nos. 44 Beaker—30 Nos. 500 ml Borosil Glass 74 Cartilage—2 Nos. 45 Conical flask—40 Nos. 500 ml Borosil Glass 75 Bacteria (Peritrichous)—1 No. 46 Glass slide blue star—10 Box 79 Collenchyma Tissue 47 Reagent Bottle—100 Nos. 500 ml Borosil Glass 75 Bacteria (Peritrichous)—1 No. 48 Standard Flask—35 Nos. 150 brass 75 Collenchyma Tissue 50 Cover slip—30 Nos. 50 Nos. 50 brass-18 mm 50 Cover slip—30 Nos. 50 Nos. 50 brass-18 mm 61 Permanent slide box Woodel microscope— Micro/Dollar 11 Nos. 75 Slides Woodel—2 Nos. 75 Slides Woodel—11 Nos. 75 Bacteria (Peritrichous)—1 No. 75 Clalamydomonas 75 Bacteria (Peritrichous)—1 No. 75 Clalamydomonas 75 Epidermal Peeling of leaf 77 Epidermal Peeling of leaf 77 Epidermal Tissue 77 Collenchyma Ti				59		Glass
Spring Constant Apparatus	28		Torriiri dia	60	11	•
Apparatus—5 Nos. 31 Weight Hanger cp— 20gm set 5 Nos. 32 Weight Hanger cp— 50gm set 5 Nos. 33 Glass slab—2 Nos. 75 × 50 × 18 mm 34 Atom Model set—1 No. 120 balls 35 Test Tube Holder— 60 Nos. 75 × 50 × 18 mm 36 Test Tube Brush— 60 Nos. 500 ml PVC 37 Wash bottle—60 Nos. 500 ml PVC 38 Dial Balance—1 No. 500 ml Borosil R 40 Pipette—30 Nos. 20ml Borosil R 41 Test Tube—200 Glass 15 ml 42 Funnel—33 Nos. 3 inch Borosil Glass 43 Beaker—50 Nos. 500 ml Borosil Glass 44 Beaker—30 Nos. 500 ml Borosil Glass 45 Conical flask—40 Nos. 500 ml Borosil Glass 46 Kipps Apparatus—1 No. 500 ml Borosil Glass 47 Reagent Bottle—100 Nos. 500 ml Borosil Glass 48 Standard Flask—35 Nos. 100 ml Borosilicate glass 49 Glass slide blue star—10 Box 100 Nos. 500 Nos. 500 Nos. 500 ml Borosilicate glass 40 Glass slide blue star—10 Box 100 Nos. 500 Nos. 500 Nos. 500 ml Borosilicate glass 40 Fern Sorus 41 Dox 100 Nos. 500 Nos.			brass-18 mm	61		25 slides
5 Nos. Weight Hanger cp— 5 Nos. Models Human Skeleton-plastic model—1 No. Atom Model set—1 No. Test Tube Holder— 60 Nos. Wash bottle—60 Nos. Model fibre System—1 No. Human Circulatory Model fibre System—1 No. Human Nervous System—1 No. Human Nervous Model fibre System—1 No. Human Nervous Model fibre System—1 No. Human Nervous System—1 No. Fepared Slides Fibre glass Model fibre System—1 No. Model fibre System—1 No. Human Nervous Model fibre System—1 No. Kell Human Nervous Model fibre System—1 No. Cardiac Muscle—2 Nos. Fepared Slides To Striated Muscle—2 Nos. Smooth Muscle—2 Nos. Fepared Slides To Cardiac Muscle—2 Nos. Conical flask—40 Nos. To Striated Muscle—2 Nos. Conical flask—40 Nos. Model fibre System—1 No. Fepared Slides To Cardiac Muscle—2 Nos. Smooth Muscle—2 Nos. Cardiac Muscle—2 Nos. Cardiac Muscle—2 Nos. Smooth Muscle—2 Nos. Cardiac Muscle—2 Nos. Epidermal Peeling of leaf Parenchyma Tissue Gollenchyma Tissue Collenchyma Tissue Collenchyma Tissue	30	= =		62	-	Micro/Dollar
32 Weight Hanger cp— 5 Nos. 50gm set 5 Nos. Models 33 Glass slab—2 Nos. 75 × 50 × 18 mm 64 Human Skeleton-plastic model—1 No. Fibre glass model—1 No. 34 Atom Model set—1 No. 120 balls 65 Human Digestive System—1 No. Model fibre System—1 No. 35 Test Tube Holder—60 Nos. 60 Nos. 60 Human Respiratory System—1 No. Model fibre System—1 No. 36 Test Tube Brush—60 Nos. 500 ml PVC 67 Human Nervous System—1 No. Model fibre System—1 No. 38 Dial Balance—1 No. 50 ml Borosil R 69 Model of DNA—1 No. Model fibre System—1 No. 40 Pipette—30 Nos. 20ml Borosil R 69 Model of DNA—1 No. Prepared Slides 41 Test Tube—200 Glass 15 ml 70 Striated Muscle—2 Nos. Prepared Slides 43 Beaker—50 Nos. 250 ml Borosil Glass 71 Cardiac Muscle—2 Nos. Smooth Muscle—2 Nos. 45 Conical flask—40 Nos. 250 ml Borosil Glass 73 Bone—2 Nos. Bacteria (Peritrichous)—1 No. 46 Kipps Apparatus—1 No. 500 ml Borosil Glass 75 Bacteria (Peritrichous)—1 N	31		20gm set	63	Stain bottle—30 Nos.	30 ml glass
5 Nos. 64 Human Skeleton-plastic model—1 No. Fibre glass model—1 No. 33 Glass slab—2 Nos. 75 × 50 × 18 mm 65 Human Digestive System—1 No. Model fibre System—1 No. 35 Test Tube Holder—60 Nos. 66 Human Respiratory System—1 No. Model fibre System—1 No. 36 Test Tube Brush—60 Nos. 500 ml PVC 67 Human Circulatory Model fibre System—1 No. 37 Wash bottle—60 Nos. 500 ml PVC 68 Human Nervous System—1 No. Model fibre System—1 No. 39 Burette—30 Nos. 50 ml Borosil R 69 Model of DNA—1 No. Prepared Slides 40 Pipette—30 Nos. 20ml Borosil Glass 70 Striated Muscle—2 Nos. 41 Test Tube—200 Glass 15 ml 70 Striated Muscle—2 Nos. 42 Funnel—33 Nos. 3 inch Borosil Glass 71 Cardiac Muscle—2 Nos. 43 Beaker—50 Nos. 250 ml Borosil Glass 72 Smooth Muscle—2 Nos. 44 Beaker—30 Nos. 500 ml Borosil Glass 73 Bone—2 Nos. 45 Conical flask—40 Nos. 250 ml Borosil Glass 74 Cartilage—2 Nos. 46 Kipps Apparatus—1 No. 500 ml Borosil Glass 75 Bacteria (Peritrichous)—1 No. 47 Reagent Bottle—100 Nos. 500 ml Borosilicate glass 76 Chlamydomonas 49 Glass slide blue star—10 Box 79 Collenchyma Tissue	22		50am sat		Models	
Atom Model set—1 No. 120 balls 65 Human Digestive System—1 No. 66 Human Respiratory System—1 No. 67 Human Circulatory System—1 No. 68 Human Nervous System—1 No. 69 Model fibre System—1 No. 60 Nos. 70 Wash bottle—60 Nos. 71 Burette—30 Nos. 72 Burette—30 Nos. 73 Wash bottle—60 Nos. 74 Funnel—30 Nos. 75 So ml Borosil R 75 So ml Borosil R 76 Human Circulatory System—1 No. 77 Model fibre System—1 No. 78 Model of DNA—1 No. 79 Model of DNA—1 No. 70 Striated Muscle—2 Nos. 71 Cardiac Muscle—2 Nos. 72 Smooth Muscle—2 Nos. 73 Bone—2 Nos. 74 Cartilage—2 Nos. 75 Bacteria (Peritrichous)—1 No. 76 Chlamydomonas 77 Epidermal Peeling of leaf 78 Parenchyma Tissue 79 Collenchyma Tissue 70 Collenchyma Tissue 70 Collenchyma Tissue 70 Collenchyma Tissue	32		Jogin set	64	•	Fibre glass
Test Tube Holder— 60 Nos. Test Tube Brush— 60 Nos. Test Tube Brush— 60 Nos. Wash bottle—60 Nos. Dial Balance—1 No. Burette—30 Nos. Glass 15 ml Test Tube—200 Beaker—50 Nos. Beaker—50 Nos. Conical flask—40 Nos. Conical flask—40 Nos. System—1 No. System—1 No. System—1 No. Human Circulatory Model fibre System—1 No. Human Nervous System—1 No. Model fibre System—1 No. Model fibre System—1 No. Model fibre System—1 No. Frepared Slides Cardiac Muscle—2 Nos. Smooth Muscle—2 Nos. Smooth Muscle—2 Nos. Cardiac Muscle—2 Nos. Smooth Muscle—2 Nos. Cardiac Mu	33	Glass slab—2 Nos.	$75 \times 50 \times 18 \text{ mm}$			3.6 . 1 . 671
Test Tube Holder— 60 Nos. Test Tube Brush— 60 Nos. Test Tube—60 Nos. Test Tube—60 Nos. Test Tube—60 Nos. Test Tube—30 Nos. Test Tube—200 Test Tube—30 Nos. Test Tube—200 Test Tube—30 Nos. Test Tube—30 Nos. Test Tube—30 Nos. Test Tube—200 Test Tube—30 Nos. Test Tube—40 Nos. Test Tube—40 Nos. Test Tube—40 Nos. Test Tube—40 Nos.	34	Atom Model set—1 No.	120 balls	65		Model fibre
Test Tube Brush— 60 Nos. Wash bottle—60 Nos. Dial Balance—1 No. Burette—30 Nos. Pipette—30 Nos. Glass 15 ml Funnel—33 Nos. Beaker—50 Nos. Beaker—50 Nos. Beaker—30 Nos. Conical flask—40 Nos. Kipps Apparatus—1 No. Glass 15 ml Kipps Apparatus—1 No. Glass 15 ml Gomel Borosil Glass Kipps Apparatus—1 No. Glass 15 ml Gomel Borosil Glass Reagent Bottle—100 Nos. Glass Gomel Borosil Glass Gome	35			66	Human Respiratory	Model fibre
37Wash bottle—60 Nos.500 ml PVCSystem—1 No.38Dial Balance—1 No.68Human Nervous System—1 No.39Burette—30 Nos.50 ml Borosil R69Model of DNA—1 No.40Pipette—30 Nos.20ml Borosil RPrepared Slides41Test Tube—200Glass 15 ml70Striated Muscle—2 Nos.42Funnel—33 Nos.3 inch Borosil Glass71Cardiac Muscle—2 Nos.43Beaker—50 Nos.250 ml Borosil Glass72Smooth Muscle—2 Nos.44Beaker—30 Nos.500 ml Borosil Glass73Bone—2 Nos.45Conical flask—40 Nos.250 ml Borosil Glass74Cartilage—2 Nos.46Kipps Apparatus—1 No.500 ml Glass75Bacteria (Peritrichous)—1 No.47Reagent Bottle—100 Nos.500 ml Borosilicate glass76Chlamydomonas48Standard Flask—35 Nos.100 ml Borosilicate glass76Chlamydomonas49Glass slide blue star—10 Box79Collenchyma Tissue50Cover slip—30 Nos.80Fern Sorus	36			67	•	Model fibre
Dial Balance—1 No. 39 Burette—30 Nos. 40 Pipette—30 Nos. 41 Test Tube—200 42 Funnel—33 Nos. 43 Beaker—50 Nos. 44 Beaker—30 Nos. 45 Conical flask—40 Nos. 46 Kipps Apparatus—1 No. 47 Reagent Bottle—100 Nos. 48 Standard Flask—35 Nos. 49 Glass slide blue star—10 Box 40 Pipette—30 Nos. 50 ml Borosil Glass 50 cover slip—30 Nos. 50 ml Borosil Glass 68 Human Nervous System—1 No. 69 Model of DNA—1 No. 60 Attach Muscle—2 Nos. 70 Cardiac Muscle—2 Nos. 71 Cardiac Muscle—2 Nos. 72 Smooth Muscle—2 Nos. 73 Bone—2 Nos. 74 Cartilage—2 Nos. 75 Bacteria (Peritrichous)—1 No. 76 Chlamydomonas 77 Epidermal Peeling of leaf 78 Parenchyma Tissue 79 Collenchyma Tissue 80 Fern Sorus	37		500 ml PVC		System—1 No.	
Burette—30 Nos. 50 ml Borosil R Pipette—30 Nos. 20ml Borosil R Glass 15 ml Test Tube—200 Glass 15 ml To Striated Muscle—2 Nos. Striated Muscle—2 Nos. Cardiac Muscle—2 Nos. Cardiac Muscle—2 Nos. Smooth Muscle—2 Nos. Smooth Muscle—2 Nos. Smooth Muscle—2 Nos. Cartilage—2 Nos. Collamydomonas Epidermal Peeling of leaf Parenchyma Tissue Collenchyma Tissue Collenchyma Tissue				68		Model fibre
40 Pipette—30 Nos. 20ml Borosil R 41 Test Tube—200 Glass 15 ml 42 Funnel—33 Nos. 3 inch Borosil Glass 43 Beaker—50 Nos. 250 ml Borosil Glass 44 Beaker—30 Nos. 500 ml Borosil Glass 45 Conical flask—40 Nos. 250 ml Borosil Glass 46 Kipps Apparatus—1 No. 500 ml Borosil Glass 47 Reagent Bottle—100 Nos. 500 ml Glass 48 Standard Flask—35 Nos. 100 ml Borosilicate glass 49 Glass slide blue star—10 Box 50 Cover slip—30 Nos. 50 Glass Slide blue star—10 Ros. 250 Nos. 50 Cover slip—30 Nos. 50 Glass Slide blue star—10 Box 50 Cover slip—30 Nos. 50 Glass Slide blue star—10 Box 50 Cover slip—30 Nos. 50 Glass Slide blue star—50 Nos. 50 Glass Slide blue star—50 Nos. 50 Cover slip—30 Nos. 50 Fern Sorus 50 Fern Sorus	39	Burette—30 Nos.	50 ml Borosil R	69	•	
41 Test Tube—200 Glass 15 ml 42 Funnel—33 Nos. 43 Beaker—50 Nos. 44 Beaker—30 Nos. 45 Conical flask—40 Nos. 46 Kipps Apparatus—1 No. 47 Reagent Bottle—100 Nos. 48 Standard Flask—35 Nos. 49 Glass slide blue star—10 Box 50 Cover slip—30 Nos. 50 Glass 15 ml 70 Striated Muscle—2 Nos. 71 Cardiac Muscle—2 Nos. 72 Smooth Muscle—2 Nos. 73 Bone—2 Nos. 74 Cartilage—2 Nos. 75 Bacteria (Peritrichous)—1 No. 76 Chlamydomonas 77 Epidermal Peeling of leaf 78 Parenchyma Tissue 79 Collenchyma Tissue 70 Striated Muscle—2 Nos. 70 Striated Muscle—2 Nos. 71 Cardiac Muscle—2 Nos. 72 Smooth Muscle—2 Nos. 73 Bone—2 Nos. 74 Cartilage—2 Nos. 75 Bacteria (Peritrichous)—1 No. 76 Chlamydomonas 77 Epidermal Peeling of leaf 78 Parenchyma Tissue 79 Collenchyma Tissue 70 Striated Muscle—2 Nos. 70 Striated Muscle—2 Nos. 71 Cardiac Muscle—2 Nos. 73 Bone—2 Nos. 74 Cartilage—2 Nos. 75 Bacteria (Peritrichous)—1 No. 76 Chlamydomonas 77 Epidermal Peeling of leaf 78 Parenchyma Tissue 79 Collenchyma Tissue	40	Pipette—30 Nos.	20ml Borosil R			
Beaker—50 Nos. 250 ml Borosil Glass 4 Beaker—30 Nos. 500 ml Borosil Glass 4 Conical flask—40 Nos. 250 ml Borosil Glass 4 Kipps Apparatus—1 No. 500 ml Borosil Glass 4 Reagent Bottle—100 Nos. 500 ml Glass 4 Standard Flask—35 Nos. 100 ml Borosilicate glass 4 Glass slide blue star—10 Box Cover slip—30 Nos. 500 Nos. 500 ml Glass Fern Sorus Cardiac Muscle—2 Nos. 500 ml Muscle—2 Nos. 72 Smooth Muscle—2 Nos. 73 Bone—2 Nos. 74 Cartilage—2 Nos. 75 Bacteria (Peritrichous)—1 No. 76 Chlamydomonas 76 Chlamydomonas 77 Epidermal Peeling of leaf 78 Parenchyma Tissue 79 Collenchyma Tissue 79 Collenchyma Tissue 79 Collenchyma Tissue 79 Fern Sorus	41	Test Tube—200	Glass 15 ml	70	-	
Heaker—30 Nos. 500 ml Borosil Glass Conical flask—40 Nos. 500 ml Borosil Glass Kipps Apparatus—1 No. Reagent Bottle—100 Nos. Standard Flask—35 Nos. 100 ml Borosilicate glass Glass slide blue star—10 Box Cover slip—30 Nos. Smooth Muscle—2 Nos. Cartilage—2 Nos. A Cartilage—2 Nos. Chlamydomonas Chlamydomonas Fepidermal Peeling of leaf Parenchyma Tissue Collenchyma Tissue Collenchyma Tissue Fern Sorus	42	Funnel—33 Nos.	3 inch Borosil Glass	71	Cardiac Muscle—2 Nos.	
45 Conical flask—40 Nos. 250 ml Borosil Glass 46 Kipps Apparatus—1 No. 500 ml Borosil Glass 47 Reagent Bottle—100 Nos. 500 ml Glass 48 Standard Flask—35 Nos. 100 ml Borosilicate glass 49 Glass slide blue star—10 Box 50 Cover slip—30 Nos. 51 Prock 20 Nos. 250 ml Borosil Glass 74 Cartilage—2 Nos. 75 Bacteria (Peritrichous)—1 No. 76 Chlamydomonas 77 Epidermal Peeling of leaf 78 Parenchyma Tissue 79 Collenchyma Tissue 79 Collenchyma Tissue 79 Fern Sorus	43	Beaker—50 Nos.	250 ml Borosil Glass	72	Smooth Muscle—2 Nos.	
45 Conical flask—40 Nos. 250 ml Borosil Glass 46 Kipps Apparatus—1 No. 500 ml Borosil Glass 47 Reagent Bottle—100 Nos. 500 ml Glass 48 Standard Flask—35 Nos. 100 ml Borosilicate glass 49 Glass slide blue star— 10 Box 50 Cover slip—30 Nos. 51 Prock 20 Nos. 250 ml Borosil Glass 74 Cartilage—2 Nos. 75 Bacteria (Peritrichous)—1 No. 76 Chlamydomonas 77 Epidermal Peeling of leaf 78 Parenchyma Tissue 79 Collenchyma Tissue 80 Fern Sorus	44	Beaker—30 Nos.	500 ml Borosil Glass	73	Bone—2 Nos.	
46 Kipps Apparatus—1 No. 500 ml Borosil Glass 47 Reagent Bottle—100 Nos. 500 ml Glass 48 Standard Flask—35 Nos. 100 ml Borosilicate glass 49 Glass slide blue star— 10 Box 50 Cover slip—30 Nos. 51 Prock 20 Nos. 500 ml Borosil Glass 75 Bacteria (Peritrichous)—1 No. 76 Chlamydomonas 77 Epidermal Peeling of leaf 78 Parenchyma Tissue 79 Collenchyma Tissue 80 Fern Sorus	45	Conical flask—40 Nos.	250 ml Borosil Glass	74		
47 Reagent Bottle—100 Nos. 500 ml Glass 48 Standard Flask—35 Nos. 100 ml Borosilicate glass 49 Glass slide blue star— 10 Box 50 Cover slip—30 Nos. 51 Prock 20 Nos. 500 ml Glass 76 Chlamydomonas 77 Epidermal Peeling of leaf 78 Parenchyma Tissue 79 Collenchyma Tissue 80 Fern Sorus	46				•	No.
48 Standard Flask—35 Nos. 100 ml Borosilicate glass 77 Epidermal Peeling of leaf 49 Glass slide blue star— 78 Parenchyma Tissue 10 Box 79 Collenchyma Tissue 50 Cover slip—30 Nos. 80 Fern Sorus	47	_				
49 Glass slide blue star— 10 Box 78 Parenchyma Tissue 79 Collenchyma Tissue 50 Cover slip—30 Nos. 80 Fern Sorus	48	Standard Flask—35 Nos.			•	
10 Box 79 Collenchyma Tissue 50 Cover slip—30 Nos. 80 Fern Sorus	49	Glass slide blue star—		78	Parenchyma Tissue	
51 Devel 20 No. Coft heir				79	Collenchyma Tissue	
51 Brush—20 Nos. Soft hair 81 Sclerenchyma Tissue	50	Cover slip—30 Nos.		80	Fern Sorus	
	51	Brush—20 Nos.	Soft hair	81	Sclerenchyma Tissue	

(1)	(2)	(3)
	Specimens	
82	Polyporous	
83	Pinus Male Cone-LS	
84	Pinus Female Cone-LS	
	rnment H.S.S., nandapuram, Kollam.	(Sd.) Principal.